



# SEQUENCE LISTING

<110> Max-Planck-Gesellschaft z.  
Förd. d. Wissenschaften

<120> Plants With Modified Gene Expression

<130> DEBE:005US

<140> 10/030,386

<140> 2002-01-02

<150> PCT/DE00/02233

<151> 2000-07-03

<150> DE 199 30 570.6

<151> 1999-07-02

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<170> PatentIn Ver. 2.1

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<213> *Arabidopsis thaliana*

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 Asp Arg Ile Asn Leu Asn Ser Asn Leu Asp Leu Asn Pro Asn Pro Leu  
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 Tyr Ala Glu Glu Gly Glu Gln Glu Glu Glu Glu Glu Glu Glu Asp  
 65 70 75 80  
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 Pro Ser Asn Asp Ala Lys Gln Leu Lys Lys Arg Asn Gly Lys Glu Ile  
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 Cys Cys Val Glu Gly Cys Arg Asn His Ile Asp His Pro Arg Ser Lys  
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 Pro Leu Lys Asp Phe Arg Thr Leu Gln Thr His Tyr Lys Arg Lys His  
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 Gly His Lys Pro Phe Ser Cys Arg Leu Cys Gly Lys Leu Leu Ala Val  
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 Lys Gly Asp Trp Arg Thr His Glu Lys Asn Cys Gly Lys Arg Trp Val  
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Cys Val Cys Gly Ser Asp Phe Lys His Lys Arg Ser Leu Lys Asp His  
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<213> *Arabidopsis thaliana*

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<211> 383

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

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			20					25					30		
Leu	Pro	Pro	Val	Thr	Pro	Pro	Ser	Ser	Phe	Phe	Phe	Phe	Pro	Gln	Ser
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Gly	Asp	Leu	Arg	Arg	Pro	Pro	Pro	Pro	Pro	Thr	Pro	Pro	Pro	Ser	Pro
	50					55					60				
Pro	Leu	Arg	Glu	Ala	Leu	Pro	Leu	Leu	Ser	Leu	Ser	Pro	Ala	Asn	Lys
	65				70					75					80
Gln	Gln	Asp	His	His	His	Asn	His	Asp	His	Leu	Ile	Gln	Glu	Pro	Pro
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Ser	Thr	Ser	Met	Asp	Val	Asp	Tyr	Asp	His	His	His	Gln	Asp	Asp	His
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His	Asn	Leu	Asp	Asp	Asp	Asp	His	Asp	Val	Thr	Val	Ala	Leu	His	Ile
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Gly	Leu	Pro	Ser	Pro	Ser	Ala	Gln	Glu	Met	Ala	Ser	Leu	Leu	Met	Met
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Gly	Gly	Glu	Asp	Asp	Asp	Glu	Asp	Ser	Val	Gly	Gly	Asp	Gly	Gly	Cys
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Lys	Cys	Gly	Lys	Ala	Phe	Ala	Val	Arg	Gly	Asp	Trp	Arg	Thr	His	Glu		
305			310			315			320								
Lys	Asn	Cys	Gly	Lys	Leu	Trp	Tyr	Cys	Ile	Cys	Gly	Ser	Asp	Phe	Lys		
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Peptide

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			20					25					30		
Tyr	Leu	Ala	Phe	Thr	Gly	Phe	Leu	Thr	Gln	Leu	His	His	Leu	Glu	Ile
		35					40					45			
Ser	Cys	Leu	Leu	Leu	Leu	Phe	Phe	Ser	Leu	Ser	Ser	Leu	Leu	Lys	Leu
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65					70					75					80
Asn	Tyr	Ser	Phe	Asn	Tyr	Ala	Thr	Ser	Leu	Ser	Arg	Ile	Tyr	Asn	Ser
				85					90					95	
His	Asp	Ser	Phe	Phe	Phe	Phe	Pro	Gln	Ser	Gly	Asp	Leu	Arg	Arg	Pro
			100					105					110		
Pro	Pro	Pro	Pro	Thr	Pro	Pro	Pro	Ser	Pro	Pro	Leu	Arg	Glu	Ala	Leu
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 Asp Tyr Asp His His His Gln Asp Asp His His Asn Leu Asp Asp Asp  
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 Asp His Asp Val Thr Val Ala Leu His Ile Gly Leu Pro Ser Pro Ser  
 180 185 190  
 Ala Gln Glu Met Ala Ser Leu Leu Met Met Ser Ser Ser Ser Ser Ser  
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 Ser Arg Thr Thr His His His Glu Asp Met Asn His Lys Lys Asp Leu  
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 Asp His Glu Tyr Ser His Gly Ala Val Gly Gly Gly Glu Asp Asp Asp  
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 Asn Met Gln Met His Met Trp Gly His Gly Ser Gln Tyr Arg Lys Gly  
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 Pro Glu Ser Leu Arg Gly Thr Gln Pro Thr Gly Met Leu Arg Leu Pro  
 305 310 315 320  
 Cys Tyr Cys Cys Ala Pro Gly Cys Arg Asn Asn Ile Asp His Pro Arg  
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 Ala Lys Pro Leu Lys Asp Phe Arg Thr Leu Gln Thr His Tyr Lys Arg  
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 Lys His Gly Ile Lys Pro Phe Met Cys Arg Lys Cys Gly Lys Ala Phe  
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 Ala Val Arg Gly Asp Trp Arg Thr His Glu Lys Asn Cys Gly Lys Leu  
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 Trp Tyr Cys Ile Cys Gly Ser Asp Phe Lys His Lys Arg Ser Leu Lys  
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 Asp His Ile Lys Ala Phe Thr Asn Gly His Gly Ala Tyr Gly Ile Asp  
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 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Synthetic Peptide

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 35 40 45  
 Thr His Thr Thr Ser Thr Ser Pro Asn Ser Pro Pro Leu Arg Glu Ala  
 50 55 60  
 Leu Pro Leu Leu Ser Leu Ser Pro Ile Arg His Gln Glu Gln Gln Asp  
 65 70 75 80  
 Gln His Tyr Phe Met Asp Thr His Gln Ile Ser Ser Ser Asn Phe Leu  
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 Asp Asp Pro Leu Val Thr Val Asp Leu His Leu Gly Leu Pro Asn Tyr  
 100 105 110  
 Gly Val Gly Glu Ser Ile Arg Ser Asn Ile Ala Pro Asp Ala Thr Thr  
 115 120 125  
 Asp Glu Gln Asp Gln Asp His Asp Arg Gly Val Glu Val Thr Val Glu  
 130 135 140  
 Ser His Leu Asp Asp Asp Asp Asp His His Gly Asp Leu His Arg Gly  
 145 150 155 160  
 His His Tyr Trp Ile Pro Thr Pro Ser Gln Ile Leu Ile Gly Pro Thr  
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 Gln Phe Thr Cys Pro Leu Cys Phe Lys Thr Phe Asn Arg Tyr Asn Asn  
 180 185 190  
 Met Gln Asn Asn Ile Asp His Pro Arg Ala Lys Pro Leu Lys Asp Phe  
 195 200 205



Arg Thr Leu Gln Thr His Tyr Lys Arg Lys His Gly Ser Lys Pro Phe  
210 215 220

Ala Cys Arg Met Cys Gly Lys Ala Phe Ala Val Lys Gly Asp Trp Arg  
225 230 235 240

Thr His Glu Lys Asn Cys Gly Lys Leu Trp Tyr Cys Ser Cys Gly Ser  
245 250 255

Asp Phe Lys His Lys Arg Ser Leu Lys Asp His Val Lys Ala Phe Gly  
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<211> 54

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
Peptide

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20 25 30

Cys Ala Ala Gly Cys Arg Asn Ser Val Ser His Pro Arg Ala Arg Pro  
35 40 45

Leu Lys Asp Phe Arg Thr  
50